

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Chen *et al.*

Application No.: 09/204,865

Group Art Unit: 1655

Filed: December 3, 1998

Examiner: B. Sisson

For: METHODS AND APPARATUS FOR
FLOW-THROUGH
HYBRIDIZATION

Attorney Docket No.: 9584-006-999

SUPPLEMENTAL AMENDMENTAssistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Supplemental to the Amendment submitted 8 September 2000, please enter the following amendments and consider the following remarks:

AMENDMENTIN THE CLAIMS

Please cancel Claims 57 and 61, without prejudice, and amend Claims 1-4, 8-14, 21, 24-28, 32-36, 40, 44, 50, 52, and 58-60 to read as follows:

Sub F1 > 1. (Twice Amended) A flow-through device for capturing a target nucleic acid comprising a three-dimensional porous substrate having immobilized thereon about 6×10^{-17} to 6×10^{-16} nmol/nm² of a capture polynucleotide which is capable of hybridizing to the target nucleic acid, and wherein said porous substrate is about 1 mm to 20 mm thick.

Sub G1 > 2. (Twice Amended) The flow-through device of Claim [57,] 58, 59 or 60 in which said porous substrate is about 1 mm to 20 mm thick.